

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1306865

Luminaire Tested: P3SQAS13R209027DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209027DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

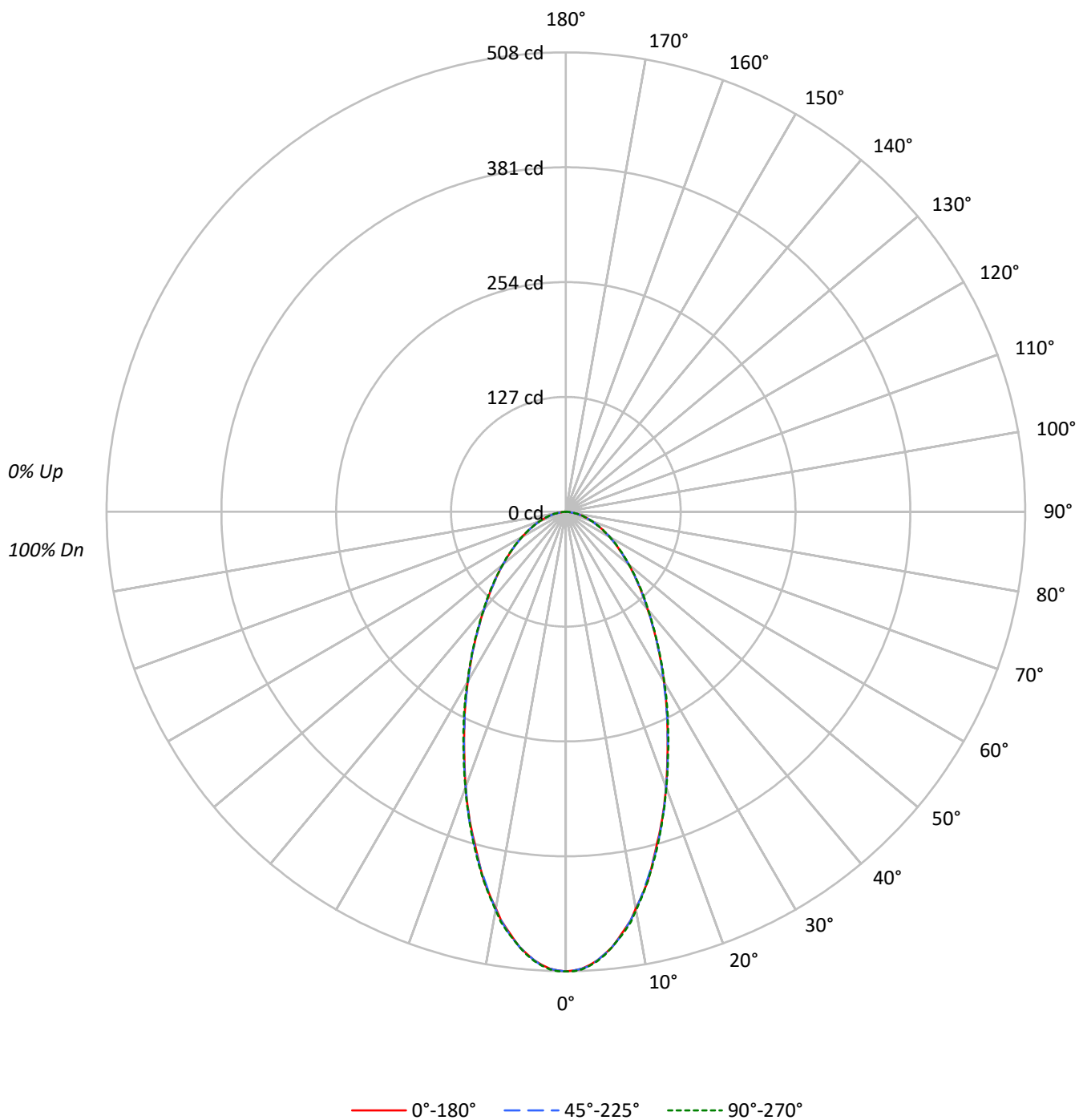
Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	87541	87541	87541
5°	84902	84902	85057
10°	77944	78101	78259
15°	68627	68948	69108
20°	59400	59400	59565
25°	50547	50547	50889
30°	43134	42955	43313
35°	36835	36835	37024
40°	31632	31632	31835
45°	27644	27644	27863
50°	24328	24328	24328
55°	21529	21529	21799
60°	19392	19392	19392
65°	17401	17401	17401
70°	15560	15560	15560
75°	13907	13308	13907
80°	11703	11703	11703
85°	7114	7114	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 27863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	7.5
10°-20°	107.6	17.7
20°-30°	122.5	20.2
30°-40°	110.0	18.1
40°-50°	88.2	14.5
50°-60°	64.8	10.7
60°-70°	42.4	7.0
70°-80°	22.0	3.6
80°-90°	5.1	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	275.6	45.3
0°-40°	385.7	63.4
0°-60°	538.6	88.6
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	508	508	508	508	508	
5°	491	491	491	491	492	45
15°	385	385	387	387	388	108
25°	266	266	266	267	268	122
35°	175	175	175	175	176	110
45°	114	114	114	114	114	88
55°	72	72	72	72	73	65
65°	43	42	43	43	43	42
75°	21	20	20	21	21	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	508.3	508.3	508.3	508.3	508.3
1°	507.4	506.5	507.4	507.4	508.3
2°	505.6	505.6	505.6	504.7	506.5
3°	502.0	502.0	502.9	502.0	502.9
4°	497.4	497.4	497.4	496.5	498.3
5°	491.1	491.1	491.1	491.1	492.0
6°	484.7	483.8	484.7	483.8	484.7
7°	475.6	475.6	476.5	475.6	476.5
8°	466.6	465.7	467.5	466.6	468.4
9°	457.5	456.6	457.5	456.6	459.3
10°	445.7	446.6	446.6	446.6	447.5
12.5°	418.5	416.6	416.6	416.6	418.5
15°	384.9	384.9	386.7	386.7	387.6
17.5°	354.9	354.0	355.8	355.8	355.8
20°	324.1	323.1	324.1	324.1	325.0
22.5°	293.2	294.1	294.1	294.1	295.0
25°	266.0	266.0	266.0	266.9	267.8
27.5°	240.5	239.6	240.5	241.5	242.4
30°	216.9	216.0	216.0	216.9	217.8
32.5°	195.2	194.2	195.2	195.2	196.1
35°	175.2	175.2	175.2	175.2	176.1
37.5°	157.0	157.0	157.0	157.9	157.9
40°	140.7	140.7	140.7	141.6	141.6
42.5°	126.2	126.2	126.2	127.1	128.0
45°	113.5	113.5	113.5	113.5	114.4
47.5°	101.7	101.7	101.7	102.6	102.6
50°	90.8	89.9	90.8	91.7	90.8
52.5°	80.8	80.8	80.8	80.8	81.7
55°	71.7	71.7	71.7	71.7	72.6
57.5°	63.5	63.5	63.5	64.4	64.4
60°	56.3	56.3	56.3	56.3	56.3
62.5°	49.0	49.0	49.0	49.0	49.0
65°	42.7	41.8	42.7	42.7	42.7
67.5°	36.3	36.3	36.3	36.3	36.3
70°	30.9	30.9	30.9	30.9	30.9
72.5°	25.4	25.4	25.4	25.4	25.4
75°	20.9	20.0	20.0	20.9	20.9
77.5°	16.3	15.4	16.3	16.3	16.3
80°	11.8	11.8	11.8	11.8	11.8
82.5°	7.3	7.3	7.3	8.2	8.2
85°	3.6	3.6	3.6	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)